|  |  |  |
| --- | --- | --- |
| **What I already know about air conditioners** | **What I want to find out** | **New stuff that I learned about air conditioners** |
| 1. Like the refrigerator, the air conditioner also uses a heat pump. | 1. What makes a certain air conditioner model different from all the other brands? | 1. Fans made in China are more prone to damages. |
| 2. The basic function of an air conditioner is to convert warm air inside a room and turn it into cool air. | 2. What should we improve in our current air conditioners to achieve maximum efficiency? | 2. Internal parts in older models of air conditioners were repairable but now, internal parts of new models aren’t repairable. |
| 3. The mechanism involves the 2nd Law of Thermodynamics and isothermal and adiabatic compression and expansion comes in. | 3. What should we do to prolong the life of an air conditioner to its highest point? | 3. Egyptians and Persians of long ago had their own way of making an air con, and we didn’t know that. We thought that the air conditioner was a modern invention. |
| 4. There is an exhaust outlet at the back which releases warm air or at times droplets of hot water. | 4. How important is it to know the pros and cons of different air conditioning models when buying a unit? Why not instantly go for a well known brand? | 4. Modern models of air conditioners trade-in durability with compact and not so bulky models. |

**KWL**